

REMARKS

Claims 1-19 are pending in this application.

Claim 1 is objected to for an informality.

Claims 1-11 and 15-19 are rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement.

Claims 12-14 and 15-19 are rejected under 35 U.S.C. § 112, first paragraph, as based on a disclosure which is not enabling.

The rejections are respectfully traversed in light of the following remarks, and reconsideration is requested.

Claim Objections

The Examiner objected to claim 1. Claim 1 is amended to delete an extraneous comma. Applicants request reconsideration and withdrawal of the objection.

Rejections under 35 U.S.C. § 112, first paragraph

The Examiner has rejected claims 1-11 and 15-19 under 35 USC § 112, first paragraph. Concerning claim 1, the Examiner indicates:

the claim [lines 11 and 12] discloses “*...a master data driver sequentially applying data voltages selected from the gray voltages corresponding to the image data ...*”. However, Examiner respectfully submits that the specification of the Application discloses only a single data voltage being applied to one of the plurality of the data lines sequentially. (Emphasis in original.)

Claim 1 has been amended for clarity to recite, in part:

a master data driver configured to sequentially apply to the data line one of the data voltages selected from the gray voltages corresponding to the image data, wherein each application is performed in the second sub-period of a present horizontal period (emphasis added.)

This amendment clarifies that the master data driver is configured to apply a single data voltage to the data line during each horizontal period. However, Applicant notes that the master data driver may apply a different data voltage to the data line during subsequent horizontal periods, and may apply a different data voltage to other data lines during the same horizontal period.

Claim 15 has been amended for clarity to recite, in part:

a slave data driver configured to store the first data voltage applied to the data line in the second sub-period of the first horizontal period and to apply the stored first data voltage to the data line in the first sub-period of the second horizontal period.

This amendment clarifies that the slave data driver is configured to store a single data voltage applied to the data line during the first horizontal period. However, Applicant notes that the slave data

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driver may store a different data voltage during subsequent horizontal periods, and may store a different data voltage applied to other data lines during the same horizontal period. Applicant submits that the amendment overcomes the Examiner's rejection.

Applicant requests withdrawal of the Examiner's rejections of claims 1 and 15 under § 112, first paragraph. Claims 2-11 depend from claim 1 and claims 16-19 depend from claim 15, and withdrawal of the rejection is requested for at least the same reasons.

Claims 12-14 and 15-19 are rejected under 35 USC § 112, first paragraph, as based on a disclosure which is not enabling.

Claim 12 has been amended to recite, in part:

scanning the second gate line during a horizontal period comprising a first sub-period and a second sub-period;

applying the stored first data voltage from the slave data driver to the data line during the first sub-period of the scanning of the second gate line; and

applying a second data voltage to the data line during the second sub-period of the scanning of the second gate line. (Emphasis added.)

Applicant submits that these clarifying amendments overcome the Examiner's rejection of claim 12. Accordingly, Applicant requests withdrawal of the rejection of claim 12 and dependent claims 13-14.

Claim 15 has been amended to recite, in part:

a gate driver configured to scan the first gate line in a first horizontal period and scan the second gate line in a second horizontal period, each horizontal period including a first sub-period and a second sub-period following the first sub-period;

a master driver configured to apply a first data voltage to the data line in the first horizontal period and a second data voltage to the data line in the second horizontal period, wherein each application is performed in the second sub-period of each horizontal period; and

a slave data driver configured to store the first data voltage applied to the data line in the second sub-period of the first horizontal period and to apply the stored first data voltage to the data line in the first sub-period of the second horizontal period. (Emphasis added.)

Applicant submits that these clarifying amendments overcome the Examiner's rejection of claim 15. Accordingly, Applicant requests withdrawal of the rejection of claim 15 and dependent claims 16-19.

Accordingly, Applicants respectfully submit that claims 1- 19 are in proper form for allowance. Reconsideration and withdrawal of the rejections and objections are respectfully requested and a timely Notice of Allowance is solicited.

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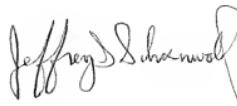
CONCLUSION

Reconsideration and withdrawal of the rejections are respectfully requested and a timely Notice of Allowance is kindly solicited.

If there are any questions regarding any aspect of the application, please call the undersigned at (949) 752-7040.

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Respectfully submitted,



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